learning_rate	dropout_rate	num_conv_layers	conv_units	padding	pooling_type	use_batch_norm	pooling_size	activation	optimizer	dense_units	latent_dim	regularization_type	l1_reg	l2_reg	batch_size	epochs	l1_ratio	Trial ID	Final Validation Loss
0.0001	0.0	4	64	same	max	0	3x3	tanh	rmsprop	4	2	elasticnet	8.1513e-06	1.2071e-06	32	40	0.9	14	1.4216
0.01	0.3	2	32	same	average	1	2x2	relu	sgd	2	2	elasticnet	5.0999e-06	1.3859e-05	16	30	0.1	16	3.721
0.0001	0.1	3	128	same	max	0	2x1	tanh	adam	16	2	l1	3.4274e-06	1.0248e-05	64	15	0.6	39	1.6046
0.0001	0.0	4	32	same	max	0	2x2	relu	sgd	8	2	elasticnet	8.7511e-05	2.5000e-05	32	30	0.8	44	2.5936
0.01	0.4	3	32	same	average	0	3x3	relu	rmsprop	6	2	l2	1.4275e-06	3.0418e-06	32	30	nan	01	2.5546
0.001	0.0	2	128	same	max	1	3x1	tanh	rmsprop	2	2	elasticnet	4.2515e-05	3.9271e-06	16	30	0.2	42	3.4594
0.001	0.2	3	128	same	max	0	2x1	relu	sgd	4	2	l2	7.4468e-05	1.8791e-05	32	50	0.8	35	1.4394
0.01	0.3	4	64	same	average	1	2x2	relu	rmsprop	8	2	elasticnet	9.2244e-06	7.1011e-05	128	40	0.6	12	1.475
0.0001	0.4	3	96	same	max	0	2x1	relu	adam	4	2	l2	1.2098e-06	8.2894e-06	64	15	0.5	17	2.5581
0.01	0.3	4	32	same	max	0	3x3	selu	sgd	4	2	l2	6.0330e-05	2.7667e-05	32	15	0.5	38	nan
0.001	0.0	3	32	same	average	0	2x2	selu	sgd	2	2	l1	1.4639e-06	2.9634e-06	128	50	0.7	15	2.5512
0.001	0.3	2	128	same	average	1	3x1	selu	sgd	12	2	l1	2.4908e-06	1.8358e-05	16	50	0.6	08	3.4799
0.001	0.4	4	128	same	max	1	2x1	selu	sgd	2	2	l2	1.7927e-06	1.7887e-06	16	15	0.5	46	1.6816
0.001	0.4	4	32	same	average	1	2x2	tanh	adam	4	2	elasticnet	1.8910e-05	2.9581e-05	64	30	0.0	07	1.5331
0.001	0.4	2	96	same	max	1	3x3	selu	adam	16	2	elasticnet	6.5961e-05	2.5320e-05	16	50	0.4	37	3.4717
0.01	0.4	3	32	same	average	0	3x3	relu	sgd	12	2	l2	5.1038e-06	3.2680e-06	64	30	0.6	48	15.6279
0.001	0.3	2	64	same	average	1	3x1	tanh	rmsprop	14	2	l2	1.1259e-06	9.4283e-06	32	30	0.4	34	3.4366
0.001	0.2	4	32	same	average	1	3x3	selu	sgd	14	2	l1	1.1104e-06	9.8067e-06	64	30	0.9	33	1.4312
0.0001	0.4	3	96	same	average	1	3x3	tanh	rmsprop	2	2	elasticnet	1.3565e-05	7.3007e-05	64	15	0.0	21	2.1285
0.0001	0.0	4	96	same	average	1	3x3	relu	adam	6	2	l2	1.5209e-05	1.0832e-05	64	40	nan	06	1.4885
0.0001	0.2	2	32	same	max	1	3x3	tanh	sgd	14	2	elasticnet	1.3664e-05	1.0609e-06	64	40	0.4	09	3.478
0.0001	0.3	2	96	same	average	1	2x2	selu	sgd	14	2	l2	2.1921e-06	1.0000e-06	16	15	nan	00	3.4669
0.001	0.2	3	64	same	max	1	2x1	tanh	adam	8	2	l2	2.6620e-05	1.6086e-05	128	15	0.7	31	1.4962
0.001	0.3	4	96	same	average	1	3x3	relu	adam	2	2	l1	2.4146e-05	9.2319e-06	16	15	nan	04	1.7988
0.0001	0.2	3	64	same	max	1	2x1	relu	rmsprop	10	2	l1	3.1019e-05	2.9595e-05	16	15	0.8	22	1.6076
0.001	0.3	3	128	same	average	1	2x2	selu	adam	16	2	l2	1.5701e-05	8.6531e-05	128	50	0.0	18	1.5419
0.01	0.3	2	64	same	max	1	3x3	selu	rmsprop	6	2	elasticnet	1.6172e-06	1.6465e-06	128	50	0.5	41	3.437
0.01	0.0	3	96	same	max	0	2x2	relu	sgd	8	2	elasticnet	1.1963e-06	3.7686e-05	16	40	0.4	36	2.2205
0.001	0.3	3	128	same	max	0	3x1	selu	adam	10	2	l2	2.5431e-06	6.0261e-05	32	15	0.5	10	1.5116
0.01	0.0	3	64	same	average	1	3x1	tanh	adam	4	2	l1	3.6339e-06	2.1658e-06	16	40	0.5	28	1.5175
0.001	0.3	3	64	same	average	1	3x1	relu	rmsprop	4	2	elasticnet	4.5924e-06	5.0179e-05	16	50	0.6	19	1.6335
0.01	0.2	3	32	same	max	0	2x1	selu	rmsprop	4	2	l2	5.2971e-06	5.8184e-05	128	40	0.6	13	1.511
0.001	0.3	2	64	same	max	0	2x2	relu	rmsprop	16	2	l1	1.6531e-06	3.3159e-06	32	50	0.0	24	3.4585
0.001	0.4	4	32	same	max	0	2x2	selu	rmsprop	6	2	elasticnet	5.4021e-05	2.4454e-06	128	50	0.3	27	1.4658
0.01	0.1	2	32	same	max	1	2x1	tanh	adam	4	2	l2	9.6897e-06	1.7552e-05	16	30	nan	05	3.4876
0.01	0.0	3	96	same	average	1	3x1	tanh	rmsprop	6	2	elasticnet	3.6221e-06	9.9232e-06	32	40	0.1	26	1.4418
0.01	0.2	2	96	same	max	1	3x3	tanh	rmsprop	10	2	l2	1.3047e-05	1.7308e-06	16	30	0.7	11	3.4689
0.0001	0.0	4	96	same	average	1	3x1	relu	sgd	14	2	l2	3.2727e-06	1.0505e-05	64	50	0.8	45	1.4951
0.001	0.0	4	64	same	average	0	3x1	selu	sgd	12	2	l2	4.7263e-05	1.4876e-06	128	15	0.9	43	nan
0.001	0.1	4	32	same	average	1	2x1	selu	rmsprop	2	2	elasticnet	1.4666e-06	7.2687e-06	16	30	0.3	32	1.4806
0.0001	0.4	3	96	same	average	1	2x2	relu	rmsprop	10	2	l2	3.5871e-05	4.5712e-06	32	30	nan	02	1.5691
0.0001	0.3	2	128	same	average	1	3x3	relu	sgd	12	2	l2	1.1699e-06	4.9571e-06	64	30	nan	03	3.4706
0.01	0.4	4	96	same	average	1	2x1	relu	adam	10	2	elasticnet	2.6560e-06	3.3735e-05	64	30	0.2	47	1.462
0.001	0.4	3	32	same	average	1	3x3	selu	adam	10	2	l1	4.4422e-06	3.5072e-05	64	50	0.8	40	1.5056
0.01	0.2	2	128	same	average	1	2x2	tanh	adam	12	2	elasticnet	1.5499e-05	1.0314e-05	32	40	0.1	23	3.4618
0.01	0.1	2	96	same	max	0	2x1	relu	sgd	2	2	l1	1.7768e-06	3.7064e-05	16	40	0.1	20	3.722
0.001	0.1	4	128	same	average	0	3x3	tanh	sgd	6	2	elasticnet	5.7085e-06	5.0234e-06	32	30	0.9	30	1.4136
0.0001	0.0	4	96	same	average	0	2x2	relu	rmsprop	12	2	l2	4.9889e-06	1.9171e-06	32	50	0.3	25	1.398
0.001	0.3	3	96	same	average	1	3x1	tanh	sgd	16	2	elasticnet	1.8452e-05	1.5034e-05	32	50	0.9	29	1.5374
0.0001	0.3	2	96	same	average	0	2x2	tanh	adam	12	2	elasticnet	1.9688e-05	1.0305e-05	32	50	0.4	49	3.508